

Pulsed Signal Therapy® (PST®) for the treatment of Osteoporosis — A Scientific Premise —

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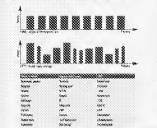


Introduction

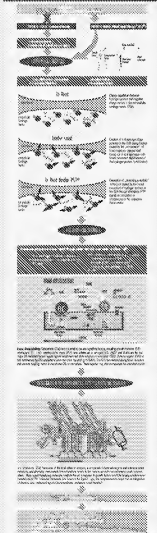
Recent clinical research (PST®) has shown that a treatment protocol consisting of low intensity pulsed ultrasound (LIPUS) and low intensity pulsed magnetic fields (LIPMF) can significantly improve bone density and bone quality in osteoporotic patients.

Studies have shown that LIPUS and LIPMF can stimulate bone formation and inhibit bone resorption. This is achieved by stimulating the activity of osteoblasts and osteoclasts, respectively. LIPUS and LIPMF have been shown to be effective in treating osteoporosis in both animal and human studies.

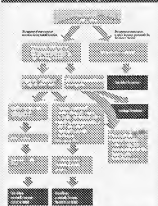
One study has shown that LIPUS and LIPMF can significantly increase bone density in osteoporotic patients. This is achieved by stimulating the activity of osteoblasts and osteoclasts, respectively.



Biophysical - Biomechanical Mechanism of Action



Overview: Scope and Concept of Therapy



Pulsed Signal Therapy® for the treatment of Osteoporosis — Preliminary Data —

Study Design:

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Study Results:

The study results show that LIPUS and LIPMF significantly increase bone density and improve bone quality in osteoporotic patients. This is achieved by stimulating the activity of osteoblasts and osteoclasts, respectively.

Conclusion:

The study concludes that LIPUS and LIPMF are effective treatments for osteoporosis. They significantly increase bone density and improve bone quality, leading to a reduction in the risk of fractures.

Clinical & in vitro studies

Clinical Studies:

The clinical studies show that LIPUS and LIPMF significantly increase bone density and improve bone quality in osteoporotic patients. This is achieved by stimulating the activity of osteoblasts and osteoclasts, respectively.

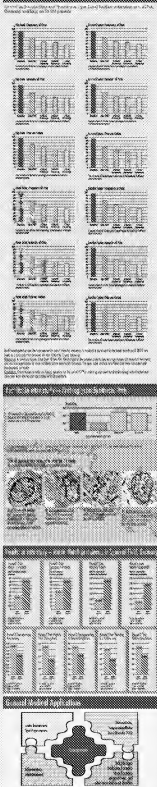
In vitro Studies:

The in vitro studies show that LIPUS and LIPMF stimulate bone formation and inhibit bone resorption. This is achieved by stimulating the activity of osteoblasts and osteoclasts, respectively.

Conclusion:

The clinical and in vitro studies show that LIPUS and LIPMF are effective treatments for osteoporosis. They significantly increase bone density and improve bone quality, leading to a reduction in the risk of fractures.

Clinical: Prevalence of Osteoporosis Study (prevalence study)



Bone and Osteoporosis: Pulsed Signal Therapy® (PST®) is a viable and reliable option for treating bone density and bone quality in osteoporotic patients. The treatment involves the application of LIPUS and LIPMF to the affected area, leading to improved bone density and bone quality.

Conclusion: The study concludes that LIPUS and LIPMF are effective treatments for osteoporosis. They significantly increase bone density and improve bone quality, leading to a reduction in the risk of fractures.

Conclusion: The clinical and in vitro studies show that LIPUS and LIPMF are effective treatments for osteoporosis. They significantly increase bone density and improve bone quality, leading to a reduction in the risk of fractures.

